Efficient Premium Power Supply

Efficient Series

H60W-PPSE

Safety Certification

E350828 301535 E487794 IP68 RoHS

Features
- Budget friendly 100v-277v LED driver solution
- High performance 12 volt power supply
- IP68 - indoor/outdoor use, dry and damp locations
- Variable input voltage: 100-277Vac
- Working temperature: -30°C ~ +60°C
- OVP, OCP, SCP, OTP protection function
- Rating: Class 2, for use with LEDs and LED signage
- UL Retrofit Kit Classified

Output Characteristics

Rated Output Voltage	12V
Rated Output Current	5A
Rated Output Power	60W
Output Voltage Accuracy	±5%

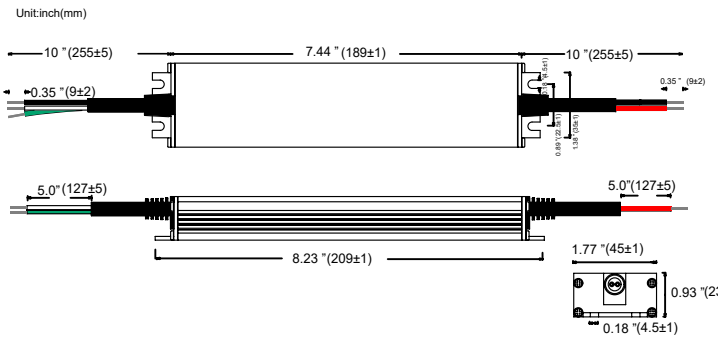
Input Characteristics

Input Voltage Range	100 ~ 277Vac
Input Frequency Range	50HZ ~ 60HZ
Input Current	≤1.3A/120Vac
Inrush Current (cold start)	≤60A (100-277Vac)
Efficiency	≥85%
Power Input	1.5A Max

Protective Characteristics

Over-Current Protection
Short-Circuit Protection
Over-Voltage Protection
Over-Temperature Protection

Profile Drawings



Warranty

Product	Labor
5 years	1 year labor with any other qualified LEDs

Environmental Characteristics

Working Temperature	-30° ~ +60°C
Working Humidity	10 ~ 95% RH (non-condensing)
Storage Temperature	-35° ~ +65°C
Storage Humidity	10 ~ 95% RH
IP Rating	IP68
Vibration	10 ~ 500HZ, 1mm 15 minutes (for X, Y, Z each axis)

Safety and EMC

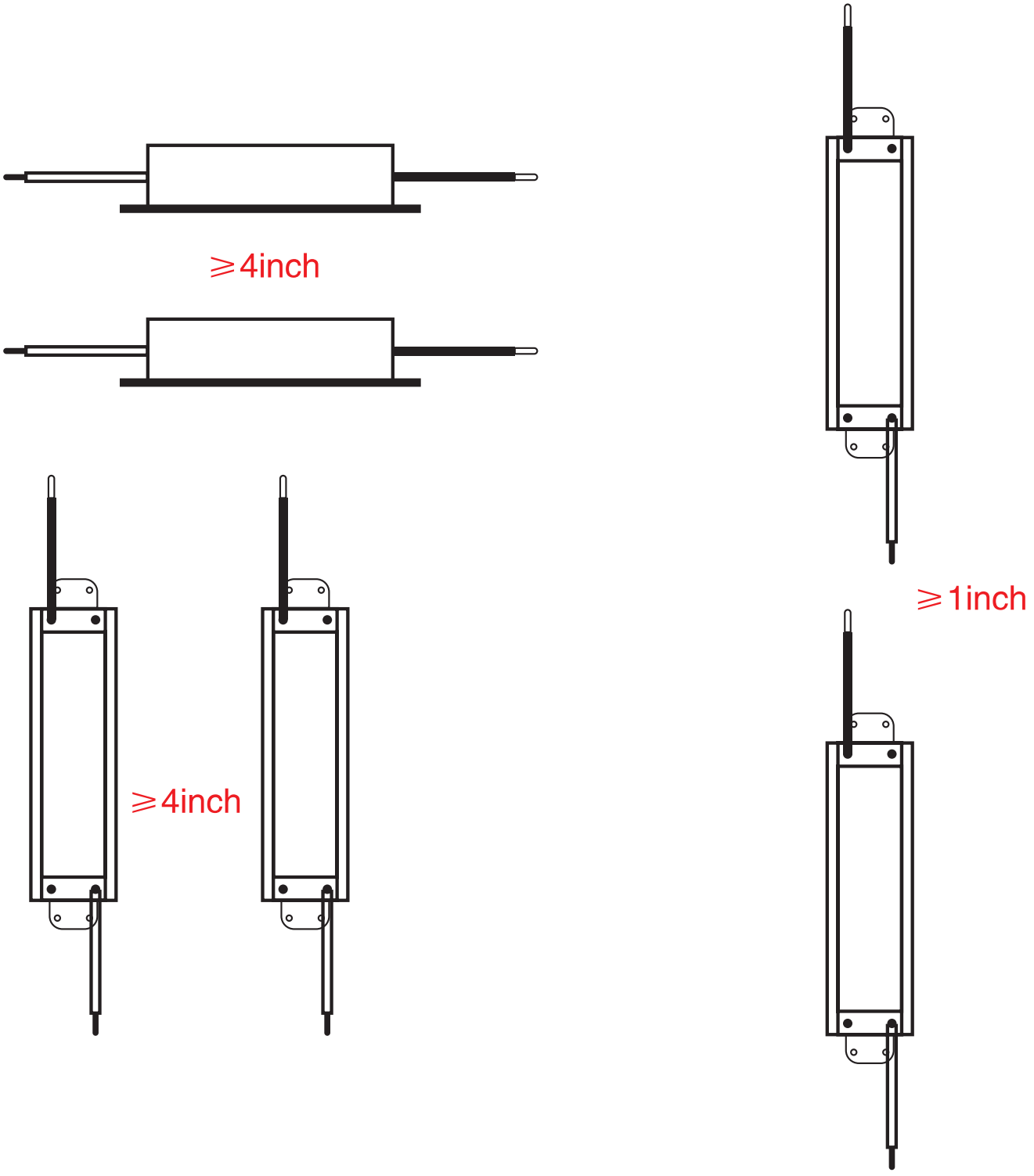
Safety Rating	IP68, Class 2
Dielectric Strength (Hi-Pot)	I/P-O/P 3KVac/5mA/1min I/P-Case 1.5KVac/5mA/1min
Insulation Resistance	100MOhm Max/500Vdc/1min
Grounding Resistance	≤.5m0hm
EMC	FCC part 15classB

Other Characteristics

MTBF	200Khrs. MIL-HDBK-217F(25°C)
Size	209*45*23.6mm | 8.23*1.77*.93in (L*W*H)
Weight	.4KG | .88LB

- Ensure that the ground wire is properly grounded and ensure it does not come into contact with the neutral wire.
- Ensure the power supply position has sufficient airflow. Operating temperature must be between -30°C to +60°C.
- Do not overload the power supply with multiple appliances.
- Power supply operates at high temperature. To avoid injury, do not touch while in use.
- Do not install with power connected or during an electrical disturbance.
- Do not attempt to install by yourself. Please contact the supplier with any questions.
- Please read and follow the instructions carefully before installing. Ensure all contact points are in good working order.
- Please pay attention to the environment, and check for any unsafe conditions.

Spacing Between Power Supplies



UL 48 Standard requires spacing between LED power supplies shall be at least 1 inch from end to end and 4 inches from side to side. This is to ensure adequate heat dissipation. Greater spacing may be required when heat ventilation in the sign or power supply enclosure is not adequate.